

SHILOV, Ye.A.; SMIRNOV-ZAMKOV, I.V.; MATKOVSKIY, K.I.

Theory of the Kolbe-schmitt synthesis. Part 2. Role of disubstituted salts in carboxylation. Ukr.khim.shur. 21 no.5:600-613 '55. (MLRA 9:3)

Institut organicheskoy khimii AN USSR.
(Carboxylation)

Matkovskiy, K. I.

Chemistry - Organic chemistry

Pub. 135 - 7/29

Authors: Matkovskiy, K. I., and Yasnikov, I. A.

Title: Synthesis of levulinic acid 10^{14}

Periodical: Dokl. Akad. Nauk, 21/6, 721-722, Dec. 1955

Abstract: A new method is described for the synthesis of levulinic acid - 10^{14} from NaCl^{N} and methyl-beta-chloroethylketone. Saponification of the obtained nitrile in hydrochloric acid led to the formation of levulinic acid - 10^{14} . The effect of temperature on the yield of levulinic acid nitrile is explained. Three references: 1 USA, 1 Germ, and 1 Fr. (1936-1949).

Institution: Acad. of Sc. Ukr. SSR, Inst. of Organ. Chem.

Submitted: June 13, 1955

MATKOVSKIY, K.I.

VYVAL'KO, I.G.; DUSHECHKIN, A.I. [deceased]; MATKOVSKIY, K.I.; SHILOV, Ye.A.;
YASHNIKOV, A.A.

Mechanism of the biosynthesis of isoprene compounds. Part 1. The
place of sugars and organic acids in the formation of rubber in
kok-saghs, Ukr. khim. zhurn. 22 no.5:644-654 '56. (MLA 10:6)

1. Institut organicheskoy khimii Akademii nauk USSR i Institut fizio-
logii rasteniy i agrokhimii Akademii nauk USSR.
(Kok-saghs) (Rubber) (Biosynthesis)

Matkovskiy, N.I.

VYVAL'KO, I.G.; DUSHECHKIN, A.I. [deceased]; LUSHCHEVSKAYA, G.M.; MATKOVSKIY,
K.I.; SAVINOV, B.G.; SHILOV, Ye.A.; YASNIKOV, A.A.

Mechanism of the biosynthesis of isoprene compounds. Part 2. Formation
of carotene pigments in the leaves of kok-saghyz. Ukr. khim. zhurn. 22
no.5:655-659 '56. (MIRA 10:6)

1. Institut organicheskoy khimii Akademii nauk USSR i Institut fiziolo-
logii rasteniy i agrokhimii Akademii nauk USSR.
(Carotene) (Kok-saghyz) (Biosynthesis)

USSR/Physiology of Plants. Respiration and Metabolism.

I-3

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1142.

Author : Vyval'ko, I.G., Dushechkin, A.I., Matkovskiy, K.I., Shilov,
Ye. A., Yasnikov, A.A.

Inst : none given

Title : The Formation in Kok-Sagyz Leaves of Carbonic Acid From
Sugars and Acids Containing Marked Carbon

Orig Pub: Byul. po fiziol. rasteniy, 1957, No 1, 15-19.

Abstract: Water solutions of sugars and sodium salts of organic acids containing C^{14} were applied to kok-sagyz leaves (three portions over the course of three days or in one dose before the beginning of the experiment. The air was withdrawn from the plant by use of a vacuum dessicator; the carbon dioxide, absorbable in 25% NaOH, was precipitated, and the radioactivity measured in the dried $BaCO_3$ deposit. It was observed that a considerable

Card : 1/2

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USSR/Physiology of Plants. Respiration and Metabolism.

I-3

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1142.

quantity of $C^{14}O_2$ was isolated two or three hours after introduction of the marked elements. On the fifth or sixth day of the experiment, after application of saccharose C^{14} , α -glucose-1- C^{14} , acetic acid-1- C^{14} , pyruvic acid-2- C^{14} , levulinic acid-1- C^{14} , levulinic acid- C^{14} , and glycocoll-1- C^{14} in darkness, more than 50% of the introduced radioactivity was isolated. 25% of the radioactivity was isolated upon introduction of -fructose-1- C^{14} and α -gluconic acid 1- C^{14} . In the experiments with levulinic acid C^{14} and pyruvic acid-1- C^{14} , from 33-20% [sic] more $C^{14}O_2$ was isolated in the light than in darkness. As concerns the other substances, the differences between the light and dark variants were imperceptible.

Card : 2/2

-6-

73-1-16/26

AUTHOR: Vyval'ko, I. G., Matkovskiy, K. I. and Yr. enikov, A. A.

TITLE: On the Mechanism of Fat Biosynthesis in Maturing Flax Seeds. (K Voprosu O Mekhanizme Biosinteza Zhira v Sozrevayushchikh Semenakh L'na.)

PERIODICAL: Ukrainskiy Khimicheskii Zhurnal, 1957, Vol. 23, No.1, pp. 85 - 88 (USSR).

ABSTRACT: The distribution of radioactive carbon C^{14} was investigated in fractions of glycerine and fatty acids separated from fats of flax seeds. The transformation of saccharose C^{14} of pyruvic acid-2- C^{14} , acetic acid-1- C^{14} and glyccol-1- C^{14} into fat components, e.g. glycerine and fatty acids of ripening flax seeds was tested by various experiments. The radioactivity of aqueous fractions, of fatty acids and of glycerine is illustrated by graphs 1 - 3. It was shown during the investigations that the acetyl-coenzyme A is synthesised directly from acetic acid and also during the metabolism of carbohydrates and oxidation-reduction processes of acids and aldehydes, e.g. of pyruvic acid. Obviously, the participation of these and other compounds during the synthesis of the acetyl-coenzyme A are linked with the characteristics of the organism or of the living tissues in which these processes take place. E. Newcomb's

Card 1/2

On the Mechanism of Fat Biosynthesis in Maturing Flax Seeds. 73-1-16/26

et al. conclusions (Ref. 5) are discussed. There are
3 graphs and 7 references, 3 of which are Slavic.

SUBMITTED: May, 3, 1956.

ASSOCIATION: Institute of Plant Physiology and Agrochemistry,
Academy of Sciences, Ukrainian SSR
Institute of Organic Chemistry, Academy of Sciences,
Ukrainian S.S.R. (Institut Fiziologii Rastenii i Agro-
khimii AN USSR. Institut Organicheskoy Khimii AN USSR.)

AVAILABLE: Library of Congress

Card 2/2

73-2-14/22

AUTHORS: Vyval'ko I.G., Matkovskiy K.I. and Yasnikov, A.A.

TITLE: On the mechanism of cellulose biosynthesis in developing flax stems. (K voprosu o mekhanizme biosinteza tsellyulozy v formiruyushchikhsya steblyakh l'na).

PERIODICAL: "Ukrainskiy Khimicheskiy Zhurnal" (Ukrainian Journal of Chemistry), Vol.23, No.2, March-April, 1957, pp.233-235 (USSR).

ABSTRACT: Previously published investigations (1) proved that cellulose is formed in higher plants and some microorganisms at the expense of glucose which is synthesised by these organisms. Experiments carried out by Gritkhaus concerning the study of the biosynthesis of cellulose of cotton fibres. By incising the stem immediately under the boll glucose-1- C^{14} was injected. The thus treated boll ripened in 30 days. Investigations of the distribution of radioactivity showed that 99.97% of the total activity of this sugar occurs in the first C atom. The author concluded that cellulose in cotton fibres is formed by the direct polymerisation of glucose molecules by utilising the energy of phosphorylation. The authors attempted to elucidate the action of saccharose C^{14} , acetic acid-1- C^{14} , glycine-1- C^{14}

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73-2-14/22

On the mechanism of cellulose biosynthesis in developing flax stems. (Cont.)

and pyruvic acid-2-C¹⁴ during the synthesis of cellulose in flax stems. Labelled saccharose-C¹⁴ and glycine-1-C¹⁴ were proved to impart the highest activity. The distribution of radioactivity in cellulose fractions extracted from bast and flax stems is shown in Diagrams 1 and 2. It can be seen that the C¹⁴ atoms pass into the cellulose molecules in various quantities. It is suggested that glycine transforms to d-glucose via the formation of triose.

There are 2 diagrams and 6 references, 3 of which are Slavic.

ASSOCIATION: Institute of Plant Physiology and Agrochemistry, Academy of Sciences, Ukraine and Institute of Organic Chemistry, Academy of Sciences, Ukraine. (Institut Fiziologii Rasteniy i Agrokhimii AN USSR, Institut Organicheskoy Khimii AN USSR).

SUBMITTED: July 12, 1956.

AVAILABLE: Library of Congress

Card 2/2

Matkovskiy, K. I.

73-3-8/24

AUTHOR: Yasnikov, A. A., Shilov, Ye. A. and Matkovskiy, K. I.

TITLE: Catalytic Action of Amino Acids and Amines in Organic Reactions. 2. Kinetics and Mechanism of Enolisation of Levulinic Acid in the Presence of Glycine and Other Amino Acids. (Kataliticheskiye Deystviya Aminokislót i Aminov v Organicheskikh Reaktsiyakh. 2. Kinetika i Mekhanizm Yenolizatsii Levulinovoy Kisloty v Prisutstvii Glikokola i Drugikh Aminokislót)

PERIODICAL: Ukrainskiy Khimicheskiy Zhurnal, 1957, Vol. 23, No. 3, pp. 333-340 (USSR).

ABSTRACT: The first communication gave results of investigations on the kinetics of enolisation of acetone in the presence of amino acids. (Ref. 1) Data on the kinetics of iodination of levulinic acid under the above mentioned conditions are investigated in the present article. Levulinic acid differs from acetone in the fact that it contains an acid group which occurs in 2 forms: the undissociated acid (the concentration being denoted as M) and the acid ion (M^-). M = total concentration of the undissociated acid and its ion. Investigations have shown that the iodination of levulinic acid in the presence of amino acids is limited by the enol formation stage. It can be assumed that 3- or 5-iodolevulinic acid is formed in the first instance. The structure of the iodination products

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73-3-8/24

Catalytic Action of Amino Acids and Amines in Organic Reactions.
2. Kinetics and Mechanism of Enolisation of Levulinic Acid in the
Presence of Glycine and Other Amino Acids.

was not investigated. The method of measuring the rate of iodination was described in part 1. (Ref. 1). Direct titration in acidified solutions was used. This method of titration was found suitable. The synthesised levulinic acid was subjected to 2 vacuum distillations. Fractions boiling at 137 - 139°C at 10 mm Hg. Iodine sublimates from the pulverised mixture with potassium iodide. Chemically pure glycine was used for the experiment. Figure 1 shows that the rate of iodination of levulinic acid increases with increasing concentration of glycine and of the hydroxyl-ion. The rate of iodination does not depend on the concentration of the iodine, G_{an} and is, as in the case of acetone, defined by the stage of enolisation according to the kinetic equation: $v = k_0 M$. At comparatively high concentrations of levulinic acid the reaction rate is represented by straight lines. At 0.5 mole concentrations of levulinic acid, in the presence of 0.005 mole I_2 and 1.25 mole glycine a fast reaction occurs until 10% of I_2 is spent (Fig. 2).

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73-3-8/24

Catalytic Action of Amino Acids and Amines in Organic Reactions.
2. Kinetics and Mechanism of Enolisation of Levulinic Acid in the Presence of Glycine and Other Amino Acids.

Thereafter the reaction rate decreases. In the presence of glycine the rate of enolisation of levulinic acid depends on the pH of the solution (viz. Fig. 3). At low pH (4.5 - 6) the constant k_0 does not increase appreciably with increasing pH, with more alkaline solutions the rate increases sharply. Table 1 gives values for k_0 and $k_2'K_2$ (where $K_2 = 2.5 \times 10^{-10}$). The addition of buffer salts (diphthalates) denoted as B in the table, does not affect appreciably the aforementioned values. The value of $k_2'K_2$ at pH 4.8 - 6 equals 1.1×10^{-8} , i.e. $k_2' = 44$. Just as in the calculation of acetone the authors found that the concentration of glycine appears in the equation as G^2 . Table 2 gives the calculated values for kK_2 where

$$k = \frac{k_0 a_{N+}}{K_2 G^2}$$

At pH 6 the rate of enolisation of levulinic acid increases with the concentration of the added buffer phosphate salt (F). Figure 1 and Table 3 show the relation between k_0 and pH in the presence of phosphates. Several experiments

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73-3-8/24

Catalytic Action of Amino Acids and Amines in Organic Reactions.
2. Kinetics and Mechanism of Enolisation of Levulinic Acid in the Presence of Glycine and Other Amino Acids.

with various amino acids in the presence of phosphates at 25°C were carried out in order to compare their catalytic action. Table 4 gives the k_0 values for these experiments. Table 5 gives data for the relation of the rate of enolisation and the temperature. The energy of activation was 18750 cal. The kinetic equation for pH 4.5 - 9 was found to be

$$v = k_2^1 M_2 G^- + k M G G^- + k' M G^-(H_2 P O_4^-).$$

At 25°C: $k_2^1 = 44$; $k = 0.68$; $k' = 64$ units: mole/litre, minute). The donor - acceptor scheme of enolisation of ketones in the presence of amino acids and proton donors is discussed. There are 3 figures, 5 tables and 5 references, 2 of which are Slavic.

SUBMITTED: November, 16, 1956.

ASSOCIATION: Institute of Organic Chemistry, Academy of Sciences
Ukrainian SSR. (Institut Organicheskoy Khimii AN USSR)

AVAILABLE: Library of Congress.

Card 4/4

Matkovskiy K.I.

VYVAL'KO, I.G.; DUSHECHKIN, A.I. [deceased]; LUSHCHEVSKAYA, G.M.;
MATKOVSKIY, K.I.; SAVINOV, B.G.; SHILOV, Ye.A.; YASNIKOV, A.A.

Mechanism of the biosynthesis of isoprene compounds. Part 3:
New data on rubber and carotene antecedents in kok-saghyz.
Ukr.khim.shur. 23 no.4:516-522 '57. (MIRA 10:10)

1. Institut organicheskoy khimii AN USSR i Intitut zemledeliya
Ukrainskoy akademii sel'skokhozyaystvennykh nauk.
(Biochemistry) (Kok-saghyz)

VYVALKO, I.G.; MATKOVSKIY, K.I.; YASHNIKOV, A.A.

Oil biosynthesis in the maturing linseed. Ukr. khim. zhur. 24
no.3:372-374 '58. (MIRA 11:9)

1. Institut semledeliya Ukrainskoy Akademii sel'skokhozyaystvennykh
nauk i Institut organicheskoy khimii AN USSR.
(Linseed oil) (Biosynthesis)

VYVAL'KO, I.G.; DUSHESCHKIN, A.I. [deceased]; LUSHCHENSKAYA, G.M.; MATKOVSKIY, K.I.;
SAVINOV, B.G.; SHILOV, Ye.A.; YASHNIKOV, A.A.

Biosynthesis of carotene. Vitaminy no.4:159-163 '59.

(MIRA 12:9)

1. Institut organicheskoy khimii Akademii nauk USSR i Institut
zemledliya Ministerstva sel'skogo khozyaystva USSR, Kiev.
(CAROTENE)

MATKOVSKIY, K.I.

Synthesis of leucine- C^{14} . Ukr. him. zhur. 26 no.5:644-647 '60.
(MIRA 13:11)

1. Institut organicheskoy khimii AN USSR.
(leucine)

MATKOVSKIY, K.I.

Synthesis of isoprene-4-C14. Ukr.khim.zhur. 27 no.3:359-361 '61.
(MIRA 18:11)

1. Institut organicheskoy khimii AN USSR.
(Isoprene)

PORUTSKIY, G.V.; LUCHKO, A.S.; MATKOVSKIY, K.I.

Ethylene hydrocarbon content of volatile excretions of plants.
Fiziol.rast. 9 no.4:482-485 '62. (MIRA 15:9)

1. Institute of Plant Physiology, Ukrainian S.S.R. Academy of
Sciences, Kiev.

(EXUDATION (BOTANY))

YASNIKOV, A.A.; MATKOVSKIY, K.I.; GAYVORONSKAYA, Ye.M.

Catalytic action of amines and amino acids. Part 4. Kinetics and mechanism of crotonic condensation of butyraldehyde in the presence of glycocell. Ukr. khim. zhur. 28 no.1:88-94 '62. (MIRA 16:8)

1. Institut organicheskoy khimii AN UkrSSR.

YASNITSKOV, A.A.; MATKOVSKIY, K.I.

Catalytic action of amino acids and amines in reactions of carbonyl compounds. Part 7: Condensation of the enamine base of N-propenylpiperidine with propionaldehyde and acetone. Ukr.khim. zhur. 28 no.2:210-212 '62. (MIRA 15:3)

1. Institut organicheskoy khimii AN USSR.
(Piperidine) (Propionaldehyde) (Acetone)

MATKOVSKIY, K.I., kand. khim. nauk, retsenzent; BULGAKOVA, N.B.,
inzh., red.izd-va; AFONINA, G.P., tekhn. red.

[Synthetic polycondensation resins. Sinteticheskie polikon-
densatsionnye smoly; sbornik statei. Kiev, Gostekhnizdat
USSR, 1963. 161 p. (MIRA 17:3)]

1. Ukrainskiy nauchno-issledovatel'skiy institut plastiches-
skikh mass.

MATKOVSKIY, K.T.; VEREVENSKAYA, E.A.; POZITIONOVA, R.A.

Aromatic hydrocarbons from the fraction boiling at 150-200°C
obtained from the condensate of the Shabelinka gas field. Neft.
i gaz, prom. no. 1:54-56. Sa-Mr '65. (MIRA 19:8)

SAMODUMOV, S.A.; MATKOVSKIY, K.I.

Quantitative analysis of a mixture of mesitylenic,
5-methylisophthalic, and trimesic acids by partition
chromatography on silica gel. Ukr.khim.zhur. 31 no.5:534-
535 '65. (MIRA 18:12)

1. Institut khimii vysokomolekulyarnykh soyedineniy AN UkrSSR.
Submitted May 25, 1964.

MATKOVSKIY, K.L.

Effect of novocaine on the formatio reticularis of the brain stem.
Zdravookhranenie 4 no.4:54-56 J1-Ag '61. (MIRA 14:11)

1. Iz kafedry farmakologii (sav. - prof. V.M.Chernov) Kishinevskogo
meditsinskogo instituta.
(NOVOCAINE—PHYSIOLOGICAL EFFECT) (BRAIN).

MATROVSKIY, Nikolay Vasil'yevich; LIVSHITS, Ya., redaktor; KIRSANOVA, N.,
tekhnicheskiiy redaktor.

[Brief outline of the trade-union movement in England] Kratkii
oчерk профsoiuznogo dvizheniia v Anglii. [Moskva] Izd-vo VTsSPS
Profizdat, 1954. 138 p. [Microfilm] (MLBA 7:12)
(Great Britain--Trade unions--History)

MATKOVSKIY, Nikolay Vasil'yevich, kandidat istoricheskikh nauk; LIVSHITS,
Ya.L., redaktor; FURMAN, G.V., tekhnicheskiy redaktor

[Commonwealth of Australia] Avtraliiskii Soius. Moskva, Izd-vo
"Znanie," 1956. 29 p. (Vsesoiuznoe obshchestvo po rasprostraneniю
politicheskikh i nauchnykh znaniy. Ser. 7, no.27) (MLRA 9:10)
(Australia--Geography)

MATKOVSKIY, O.I.; BOBROVNIK, D.P., professor, otvetstvennyy redaktor;
GAZER, S.L., redaktor; SARANYUK, T.V., tekhnicheskiy redaktor

[Accessory minerals of granitoids of the Onitskiy complex in
Volhynia] Aktsessornyye mineraly granitoidov onitskogo kompleksa
Volyni. [L'vov] Izd-vo L'vovskogo gosuniv., 1956. 49 p.

(MIRA 10:2)

(Volyn Province--Rocks, Igneous)

15-57-4-4478

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,
p 67 (USSR)

AUTHOR: Matkovskiy, O. I.

TITLE: Epidotization in the Granitoidal Rocks of the Osnitskiy
Kompleks (Complex) in Volyn (Epidotizatsiya granitoidov
osnitskogo kompleksa Volyni)

PERIODICAL: Mineralog. sb. L'vovsk. geolog. o-vo pri un-te, 1956,
Nr 10, pp 288-297

ABSTRACT: The granitoidal rocks of the Osnitskiy complex are
divided into the older Klesov aplite-granites and
microgranites and the younger Osnitskiy granites.
Intensive alteration on a regional scale is character-
istic of both. This alteration was associated with
post-magmatic processes, of which epidotization is the
most common. Some systematic patterns are found in the
distribution of secondary minerals: 1) dark minerals
as well as plagioclase have been altered; 2) as a result

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15-57-4-4478

Epidotization in the Granitoidal Rocks (Cont.)

of the change in the composition of the rock, the products of secondary replacement became different too; 3) the development of more basic plagioclase and the increase of CaO in general led to an increased quantity of epidote; and 4) the rock was altered without marked disturbance of the chemical composition, discounting the absorption of H₂O and CO₂. Epidote that developed within crystals of plagioclase is different in iron content from the epidote that formed near the dark minerals. Large accumulations of green epidote are found in the Klesov region in pegmatite veins. A chemical analysis of dark green epidote gives the following composition (in percent): SiO₂ 37.46, TiO₂ 0.18, Al₂O₃ 23.25, Fe₂O₃ 13.16, FeO 1.43, MnO 0.25, MgO 0.58, CaO 22.63, H₂O+ 0.18, H₂O- 1.60; total 100.72. This analysis corresponds to common iron-bearing varieties. The thermal curve shows a distinct endothermic effect at 97°C. For the epidote to form it is necessary that iron be derived from the dark minerals. The change in the feldspars in the Osnitskiy granitoidal rocks has been shown in a three-component diagram for the system CaO- $\frac{1}{2}$ Al₂O₃- $\frac{1}{2}$ K₂O. The change in the dark constituents has been shown in a diagram for the system (Mg, Fe)O- $\frac{1}{2}$ Al₂O₃-CaO.

Card 2/2

S. P. F.

MATKOVSKIY, O. I. Cand Geol-Min Sci -- (diss) "The Mineralogy of
Granitoids of the Osnitskiy Complex ^{of} ~~in~~ Volyn'." L'vov, 1957.
17 pp 22 cm. (Min of Higher Education USSR, L'vov State Univ im
Ivan Franko), 120 copies (KL, 27-57, 105)

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MATKOVSKIY, O.I.

Hydromicaceous minerals in the vicinity of Klesovo in Volhynia.
Min.sbor. no.11:322-328 '57. (MIRA 13:2)

1. Gosuniversitet imeni Ivana Franko, L'vov.
(Klesov District--Mica)

GNATIV, G.M.; MATKOVSKIY, O.I.

Biotites in granitoids of western Volhynia. Min.sbor.
no.12:332-350 '58. (MIRA 13:2)

1. Gosuniversitet imeni Ivana Franko, L'vov.
(Volhynia--Biotite)

LAZARENKO, Ye.K. [Lazarenko, Ye.K.]; MATKOVSKIY, O.I. [Matkovs'kyi, O.I.];
VINAR, O.M. [Vynar, O.M.]; SHASHKINA, V.P.; GNATIV, G.M. [Hnativ,
H.M.]; POLUBICHKO, B.V., red.; SARANYUK, T.V., tekhnred.

[Mineralogy of igneous complexes in western Volhynia] Mineralogiia
vyvershenykh kompleksiv Zakhidnoi Volyni. L'viv, Vyd-vo L'viva'koho
univ., 1960. 508 p. (MIRA 13:9)
(Volhynia--Rocks, Igneous)

MATKOVSKIY, O.I.

Siderite from the weathered surface of igneous rocks in western Volhynia. Min.sbor. no.14:264-271 '60. (MIRA 15:2)

1. Gosudarstvennyy universitet imeni Ivana Franko, L'vov.
(Klesov region--Siderite)

LAZARENKO, Ye.K.; MATKOVSKIY, O.I.

Cerussites in Transcarpathia. Min.sbor. no.14:304-324 '60.
(MIRA 15:2)

1. Gosudarstvennyy universitet imeni Ivana Franko, Lvov.
(Transcarpathia---Cerussite)

MATKOVSKIY, O.I.

Characteristics of granitoid hornblendes of the Osnitsk and
Korosten' complexes of the Ukrainian Crystalline Shield.
Min.sbor. no.14:373-385 '60. (MIRA 15:2)

1. Gosudarstvennyy universitet imeni Ivana Franko, L'vov.
(Dnieper Valley--Hornblende)

LAZARENKO, Ye.K.; MATKOVSKIY, O.I.

So-called Fontainebleau sand calcites. Min. sbor. no.15:149-181
'61. (MIRA 15:6)

1. Gosudarstvennyy universitet imeni Ivana Franko, L'vov.
(Calcite)

LAZARENKO, Ye.K.; MATKOVSKIY, O.I.

Daniil Prokhorovich Bobrovnik; on his 60th birthday. Min. sbor.
no.15:383-385 '61. (MIRA 15:6)

1. Gosudarstvennyy universitet imeni Ivana Franko, L'vov.
(Bobrovnik, Daniil Prokhorovich, 1900--)

LAZARENKO, Ye.K.; MATKOVSKIY, O.I.; TKACHUK, L.G.

S.P. Rodionov; obituary. Min. sbor. no.15:444-446 '61. (MIRA 15:6)

1. Gosudarstvennyy universitet, L'vov (for Lazarenko, Matkovskiy).
2. Institut geologicheskikh nauk AN USSR, Kiyev (for Tkachuk).
(Rodionov, Sergei Petrovich, 1898-1961)

MATKOVSKIY, O.I.

First conferences of the Committee on Mineralogy and Geochemistry
of the Carpatho-Balkan Association. Min. sbor. no.15:447-448
'61. (MIRA 15:6)

1. Gosudarstvennyy universitet, L'vov.
(Carpathian Mountains--Mineralogy--Congresses)
(Balkan Mountains--Geochemistry--Congresses)

MATKOVSKIY, O.I.

Find of dannemorite in the Chivchinskiye Mountains
(Carpathians). Dokl. AN SSSR 146 no.4:893-896 0 '62.
(MIRA 15:11)

1. L'vovskiy gosudarstvennyy universitet im. Iv. Franko.
Predstavleno akademikom N.V. Belovym.
(Carpathian Mountains--Dannemorite)

MATKOVSKIY, O.I.

Manganese amphiboles of the cummingtonite row. Min. sbor. no.16:
130-153 '62. (MIRA 16:10)

1. Gosudarstvennyy universitet imeni Ivana Franko, L'vov.
(Amphibole) (Manganese) (Cummingtonite)

MATKOVSKIY, O.I.; YASINSKAYA, A.A.; CHULOCHNIKOV, V.I.; PAVLISHIN, V.I.

Sulfide and complex metal deposits in the Chivchin Mountains.
Min. sbor. no.16:273-284 '62. (MIRA 16:10)

1. ~~Geologicheskaya~~ Karstovyy universitet imeni Ivana Franko, L'vov i
L'vovskaya geologicheskaya ekspeditsiya.
(Carpathian Mountains—Ore deposits)

GORZHEVSKIY, D.I.; KOLTUN, L.I.; LAZARENKO, Ye.K.; LAZ'KO, Ye.M.;
MATKOVSKIY, O.I.; SLIVKO, M.M.; YASINSKAYA, A.A.

Academician A.G. Betakhtin; obituary. Min. sbor. no.16:454-
456 '62. (MIRA 16:10) /

(Betakhtin, Anatolii Georgievich, 1897-1962)

KOLTUN, L.I.; MATKOVSKIY, O.I.

Third All-Union Conference on the Formation and Distribution of
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(MIRA 16:10)

1. Gosudarstvennyy universitet imeni I.Franko, L'vov.
(Ore deposits)

MATKOVSKIY, O.I.

Mineralogical characteristics of manganese and some other carbonates
of the Czerwczyskie Mountains. Min. sbor. no.17:177-192 '63.
(MIRA 17:11)

1. Gosudarstvennyy universitet imeni Franka, L'vov.

MATKOVSKIY, O.I.; PAVLISHIN, V.I.; PRIKAZCHIKOV, L.A.

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no.17:220-225 '63. (MIRA 17:11)

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(MIRA 18:5)

1. Gosudarstvennyy universitet imeni Ivana Franko, L'viv.

MATKOVSKIY, O.I.; ZUZUK, F.V.

Some characteristics of pyrite from sulfide ore manifestations in
the Czywczynskie Mountains. Min.sbor. 18 no.2:199-203 '64.
(MIRA 18:5)

1. Gosudarstvennyy universitet imeni Ivana Franko, L'vov i Ivano-
Frankovskiy filial L'vovskogo politekhnicheskogo instituta.

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Causes of the seizing of compression and oil rings in piston
grooves of the DT-54 tractor. Mekh.sil'.hosp. 8 no.9:20
S '59. (MIRA 13:1)

1. Glavnyy inzhener sovkhoza "Selidivs'kiy," Stalinskoy oblasti.
(Tractors--Engines) (Piston rings)

MATKOVSKIY, O.O. [Matkovs'kiy, O.O.]

Experience in using SK-2,6 combines for cutting corn stalks.
Mekh.sil'.hosp. 10 no.11:13 N '59. (MIRA 13:3)

1. Glavnyy inzhener sovkhosa "Selidivs'kiy," Stalinskoy oblasti.
(Combines(Agricultural machinery))

MATKOVSKIY, P.Ye.; ZAVOROKHIN, N.D.; CHIRKOV, N.M.

Kinetics of nonsteady state of polymerization of α -olefins.
Vysokom. soed. 7 no.9:1484-1488 S '65. (MIRA 18:10)

1. Institut khimii nefti i prirodnykh soed.; AN KazSSR i
Institut khimicheskoy fiziki AN SSSR.

ZAVORONKHIN, N.D., *Kand.,khim.nauk*; MATROVSKIY, P.Ye.

Activity of acetylene in the reactions of anionic copolymeri-
sation with olefins. *Vest. AN Kazakh. SSR* 21 no.11:91 N '65.
(MIRA 18:12)

MATKOVSKIY, P.Ye.; ZAVOROKHIN, N.D.

Kinetics of acetylene polymerization on a complex catalyst.

Report No.1. Izv. AN Kazakh. SSR. Ser. khim. nauk 15 no.1:

70-77 Ja-Mr. '65.

(MIRA 18:12)

1. Submitted Oct. 1, 1964.

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Mechanism of acetylene polymerization on complex catalysts.

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78-85 Jan '65.

(MIRA 18:12)

1. Submitted Oct. 1, 1964.

MATKOVSKIY, R.I. [Matkiva'kyi, R.I.]

Activity of phosphohexose isomerase enzyme in the blood of
growing pigs and the effect of insulin on it. Dop. AN UESR
no.10:1334-1336 '64. (MIRA 17:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii i
biokhimi i sel'skokhozyaystvennykh zhivotnykh. Predstavleno
akademikom AN UkrSSR M.F. Gulya [Hulyi, M.F.].

MATKOVSKIY, S.L.

Echinococcus of the muscles of the dorsum. Zdravookhranenie 3
no.6:59 N-D '60. (MIRA 13:12)

1. Iz uchastkovoy bol'nitsy sela Chumay Vulkaneshtskogo rayona
(glavnyy vrach A.A. Grinberg).
(MUSCLES -HYDATIDS)

MATKOVSKIY, S. T.

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Controlling terricolous pests of oak seedlings and other forest varieties.

Les i step' 14, No. 5, 1952.

Monthly List of Russian Accessions Library of Congress, August 1952. Unclassified.

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MATKOVSKIY, S.T., kand. sel'skokhozyaystvennykh nauk (Odessa)

Eliminating excessive plant growth along the track. Put' i
put. khoz. no.5:28-29 My '59. (MIRA 12:8)
(Railroads—Track)
(Plants, Effect of poisons on)

MATKOVSKIY V.S.

KAZANTSEV, A.P.; LEVITOV, T.A.; MATKOVSKIY, V.S.

Clinical aspects of experimental dysentery intoxication in dogs.
Zhur.mikrobiol.epid. i immun. 29 no.3:122 Mr '58. (MIRA 11:4)

1. Iz Voenno-meditsinskoy akademii imeni S.M. Kirova.
(DYSENTERY)

SEMYUK, V.D.; MATKOVSKIY, Yu.I.; TESTOV, V.I.; GLEBOV, A.G.

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exploitation data. Sov. geol. 5 no.7:114-130 J1 '62.

(MIRA 15:7)

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(Transbaikalia—Mines and mineral resources)

BILINSKI, Zbigniew; JERZYKOWSKI, Mieczyslaw; MATKOWSKI, Jozef

Plastic repair of the Achilles tendon after traumatic injuries.
Chir. narzad. ruchu ortop. Pol. 30 no.1:13-16 '65.

1. Z Oddzialu Chirurgii Urazowej 4 Wojskowego Szpitala
Okręgowego we Wrocławiu (Ordynator: plk. lek. M. Holak).

MICHALSKI, Zbigniew; MATKOWSKI, Jozef; BELOWSKI, Henryk

Comparison of the morphologic picture of the gastric mucosa in dogs before and after resection of the vagus nerve. Pat. Pol. 16 no.1:11-20 Ja-Mr'65.

1. Z Katedry Anatomii Patologicznej Wydział Wet. Wyższej Szkoły Rolniczej we Wrocławiu (Kierownik: prof. dr. med. A. Zakrzewski) i z Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. med. K. Czyżewski).

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The radio reception and rediffusion center of a collective farm village; interview with Abdushamili Matkubulov. Radio no.9:15-16 8'55. (MIRA 8:11)

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(Durmen--Radio)

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PAZUSYTE, A.; PUODYTE, M.; RADZEVICIUTE, D.; REKSNYTE, B.; SEPETYTE, O.;
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The incidence and piperazine therapy of ascariasis among students
of the Vilnius Republican School of Medicine. Sveik. apsaug. no.12:
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Mokyklos direktorius -- R. Markauskas; burelio vadovas -- J. Rubikas).
(PIPERAZINE) (ASCARIASIS)

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"Fully supporting the introduction of new work methods." (p. 126) CESKOSLOVENSKY
PRŮMYSL (Ministerstva těžkého a lehkého průmyslu) Praha, Vol 7, No 4, Apr. 1951.

SO: East European Accessions List, Vol 3, No 8, Aug 1954

OSADCHIY, F., inzh.; GOLOSOV, V.; NOVIKOV, K.; MITIN, V.; RYBCHENKO, G.;
KUZNETSOV, V.; TEREHT'YEV, M., inzh.; MATKUZHIN, Zh.

Exchange of experience. Avt. transp. 42 no.11:47-51 N '64.
(MIRA 17:12)

Matl, M.

Matl, M. Technical regulations and standards for plate-glass works. p. 67.

Vol. 7, no. 3, Mar. 1957

SKLAD A KERAMIK

TECHNOLOGY

Czechoslovakia

So. East European Accessions, Vol. 6, May 1957
No. 5

MATL, Ota

Building-block machine VJ 10-4/7. Stroj vyr 10 no. 307
'62.

1. Motorpal Jihlava, n.p., Jihlava.

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Further experiences with extrapleural pneumothorax in children.
Lek. listy, Brno. 7 no. 11:272-276 1 June 1952. (CINL 22:3)

1. Of Masaryk State Pediatric Lung Sanatorium (Director--Docent
V. Vojtek, M. D.) in Sumperk and of the Surgical Clinic (Head--
Prof. V. Rapant, M. D.) of Palacky University, Olomouc.

VOJTEK, Doc., Dr.; MATL, Zd., MUDr.

Rules for tuberculostatic therapy of pulmonary and meningeal tuberculosis in children. Cesk. pediat. 11 no.7:542-544 July 56.

(TUBERCULOSIS, PULMONARY, in infant and child,
ther., standard. (Cz))

(TUBERCULOSIS, MENINGEAL, in infant and child,
ther., standard. (Cz))

EXCERPTA MEDICA Sec.14 Vol.11/7 Radiology Jul 57.

1276. MÁTL Z., PETRU M., POHL St. and ZEMÁNEK J. Parasitol. Inst., Karls-Univ., Prag; Staatl. Heilanst. Kl. Gottwald für Kindertuberkulose, Kosumberk. * Die Lungenparagonimiasis bei Kindern. Pulmonary paragonimiasis in children Z. TUBERK. 1956, 109/1-2 (52-60) illus. 15

The authors describe 19 cases of pulmonary paragonimiasis in patients from the Far East. Attention is called to the most important radiological changes and some experiences from the laboratory are reported. The correct diagnosis is made not only by the presence of haemoptysis, positive radiological findings, and the discovery of the ova of the parasite in the sputum, but, if the patient happens to be in the negative phase, by the fact that he was living in endemic areas. The authors underline the importance of a thorough radiological and tomographical examination.

(XV, 7, 14)

ED. M.: ... A. MUR.: ... C. MUR.: ...

... report on ... surgery for ...
... intrathoracic nodes. ...

III. ... t. ... tbc ...
... laryngologicke ode, ...
... steno...

... tuberc. ...
()
() ...
... caused by intrathoracic
tuberc. ... ()

MATL. 7a. Dr.: GOCIAR, Fr.; HERINGEN, L.; JALUVKA, A.; KIADIVOVA, L.;
NEUMANN, R.; SYKORA, Fr.

Effect of isoniasid in long/kg dosage in tuberculosis of the
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(TUBERCULOSIS, LYMPH NODES, ther.

isoniasid, dosimetric indic. (Cs))

(ISONIAZID, ther. use

tuberc., lymph nodes, dosimetric indic. (Cs))

MATL, Z.; MACHYTEKA, M.; ELISONOVA, P.; KLIKAR, J.

Specific pulmonary complications during hospital therapy of primary pulmonary tuberculosis in children. Cesk. pediat. 14 no.4:335-338 5 Apr 59.

1. Gottwaldova lecebna pro detskou tbc, Kosumberk, red. dr. St. Pohl
2. M. Kosumberk (p. Inse), III. plicni odd. Gottwaldova detska TBG.
(TUBERCULOSIS, PULMONARY, in inf. & child,
primary complex, specific pulm. compl. during hosp. ther.
(Cz))

MATL, Zdenek

**Treatment of primary tuberculosis. Probl.tub. 37 no.5:32-35
'59. (MIRA 12:10)**

**1. Iz tret'yego legochnogo otdeleniya dlya detey doskol'nogo
vozrasta (glavnyy vrach Zdenek Matl) Detskogo tuberkuleznogo
sanatoriya imeni Gotval'da (dir.Stanislav Pal) (Koshumberk-
Luzhe).**

(TUBERCULOSIS, PULMONARY - therapy)

MATL, Zdenek

New advances in the diagnosis of enlarged intrathoracic lymph nodes. Cesk.otolar.9 no.5:274-276 0'60.

1. III. plicni oddeleni Gottwaldovy lecebny tbc v Lasi-Kosumberku,
reditel dr. St. Pohl, primar dr. Zdenek Matl.
(LYMPH NODES pathol)

SUCHIU, Ya.Ya. [Suchiu, I.I.], inzh.; VMEDETSEAN, V.F. [Vozdentsen, V.F.], inzh.;
MATLAK, I.F. [Matlac, I.F.], inzh. (Rumynskaya Narodnaya Respublika)

Study of resistances made up of steel plates for use in electric
traction systems. Elektrotehnika 35 no.7:27-31 '64. (MIRA 17:11)

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Optimum dimensioning and possibilities of using the homopolar
machine as a tachometric generator. Bul St si Tehn Tim 7:361-369
'62.

MATLAK, Ioan; OGREZEANU, Stefan

Rheostatic transducer with Hg column. Bul St si Tehn Tim
7:355-359 '62.

WIAK, Marcin

MI type poling flexible under difficult mining conditions.
Wiadom gorn 12 no.10:338-339 0 '61.

MATLAK, Olga, mgr inż.

Appearance of invertebrates on aquatic plants in fish ponds.
Acta hydrobiol 5 no.1:1-30 '63.

1. Zakład Biologii Wód, Polska Akademia Nauk, Zespół Gospodarstw
Doświadczalnych Ochaby, pow. Cieszyn.

MATLAKHOV, L.I.; TATSYUK, G.S.; KHEKHOVSKIY, B.D.; FIL'BERSTEIN, L.I.

Manufacture of electrically welded pipe without formation of
internal burrs. Baul. TSNIICHI no.5:48 '61. (MIRA 14:10)
(Pipe, Steel--Welding)

MATLAKHOV, L.I., insh.

Combination pipe unit [from "Iron and Steel Engineer," no.12,
1960]. Mat. i gornorud. prom. no.1:91 Ja-F '62.

(MIRA 16:6)

(United States—Pipe mills)

MATLAKHOV, L.I.; SAVOSKINA, L.Ye.

Seminar: pipe industry workers. Met. 1 gornorud. prom.
no.1:77 Ja-F '64. (MIRA 17:10)

ZHUKOVSKIY, B.D., kand. tekhn. nauk; FIL'BERSHTEYN, L.I., kand. tekhn. nauk;
MIZERA, V.I., inzh.; PETRUNIN, Ye.P., inzh.; TATYUK, G.F., inzh.;
Prinimali uchastiye: MATLAKHOV, L.I.; NECHIPOREIKO, M.I.; DUPLIY,
G.D.; GAPICH, V.I.; FATEYEVA, A.F.; DYN'KO, N.M.; LUGOVENKO, I.P.;
DEM'YANOV, B.M.; POSTIL, I.S.; BEZRODNYKH, I.Ya.

Investigating the possibility of manufacturing welded tube
blanks for cold forming. Proizv. trub no.11:67-72 '63.

(MIRA 17:11)

GALANOV, I.G., otv. red.; MATLAKHOV, S.G., otv. red.; POLESIN, Ya.L., red.; BOGOMOLOV, A.I., red.; ZHELEZNYAKOVA, M.A., red.; ZHIDOVETSKIY, B.V., red.; ZIL'BERSHTAYN, I.A., red.; KANER, I.Ye., red.; KLYUYEVA, Ye.P., red.; KOZLOVA, Ye.I., red.; MAKAROV, A.D., red.; SAMARTSEV, A.I., red.; SOLOPKO, A.P., red.; TIKHONOV, V.A., red.; VOLKOVA, V.A., ved. red.

[Safety regulations in the gas industry; regulations obligatory for all ministries, departments, and organizations] Pravila bezopasnosti v gazovom khoziaistve; pravila obiazatel'ny dlia vsekh ministerstv, vedomstv i organizatsii. Perer. i dop. izd. Moskva, Nedra, 1965. 143 p.

(MIRA 18:3)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennyy komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru.

REF ID: A71010833

S/0241/61/009/006/0022/0025

AUTHOR: Matlan, V. G.

TITLE: Cranial bone changes with hypophyseal tumor resection therapy

SOURCE: Meditsinskaya radiologiya, v. 9, no. 6, 1961, 21-25

NOTE: X-radiation therapy, resection therapy, hypophysis.

hypophyseal chromophobe adenoma, radiation injury, cranial bone change,
osteonecrosis, osteosclerosis

ABSTRACT: A 50-year-old patient undergoing X-ray therapy for a hypophyseal chromophobe adenoma received 4 series of treatments (total dose 20,900 r) including fractional blood transfusions and vitamin therapy over a period of 3 years. The patient's general health was good and the blood count never dropped below normal. When the patient appeared for the fifth series of treatments, craniofilms disclosed cranial bone changes at the radiation sites indicating the development of osteonecrosis and mild osteosclerosis. During the fifth series the radiation fields were changed and the patient received a 4,500 r dose bringing the cumulative dose for all

can 1/2

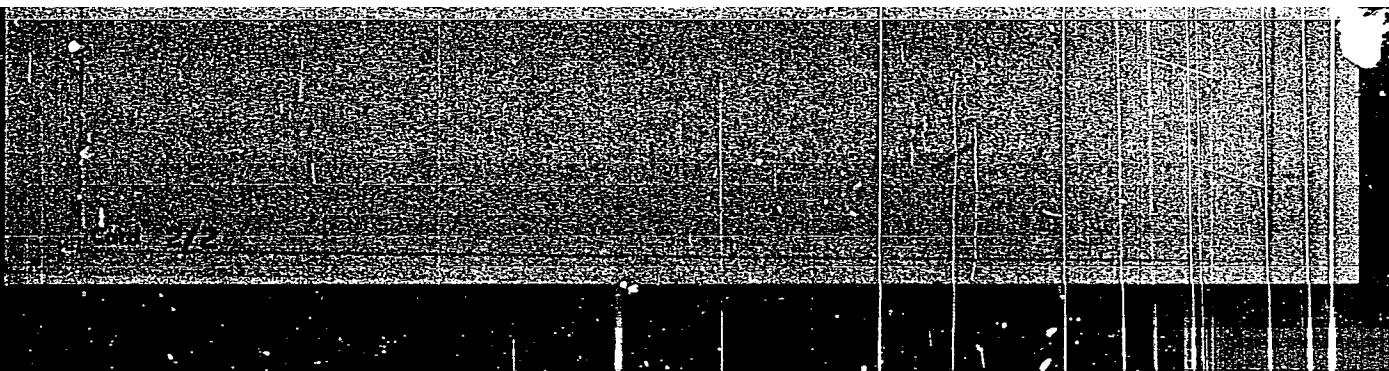
17010055

ACCESSION NR: 471040833

admitted to 20,950 r. The patient's general condition was satisfactory.

"APPROVED FOR RELEASE: 06/14/2000

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APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R032932910003-9"

FRIDANTSEVA, Ye.A., nauchnyy spetsialist; IONTOVSKIY, V.N. (Khar'kov);
GRACHEV, A.P.; VOYCHEV, L.P., kand. biolog. nauk; CHEMODANOVA,
Ye.V., kand. sel'skokhoz. nauk; KALINICHENKO, A.N.; PETRUSHOVA,
N.I., kand. sel'skokhoz. nauk; OVCHARENKO, G.V.; FLORINSKAYA, G.N.;
DROZDOVSKIY, I.M.; DROZDOVSKIY, E.M.; MATLASHENKO, Ye.V., aspirantka

Brief news. Zashch. rast. ot vred. i bol. 9 no.7:50-53 '64.

(MIRA 18:2)

1. Dal'nevostochnaya opyt'naya stantsiya Vsesoyuznogo nauchno-issle-
dovatel'skogo instituta rasteniyevodstva (for Grachev).
2. Mleyevskaya opyt'naya stantsiya sadovodstva, Cherkasskaya
oblast' (for Voychenko). 3. Volikolukskiy sel'skokhozyaystvennyy
institut (for Chemodanova). 4. Altayskaya opyt'naya stantsiya
sadovodstva, Barnaul (for Kalinichenko). 5. Nikitskiy botani-
cheskiy sad (for Petrushova, Ovcharenko). 6. Moldavskiy institut
sadovodstva, vinogradarstva i vinodeliya, Kishinev (for Florinskaya).
7. Nauchno-issledovatel'skiy zonal'nyy institut sadovodstva
nechernozemnyy polosy (for Drozdovskiy). 8. Tadzhikskiy nauchno-
issledovatel'skiy institut sel'skogo khozyaystva (for Matlashenko).

MATLASZEK, J.

MATLASZEK, J. Problem of telecommunication in road construction. p. 62
DROGOWNICTWO. Warszawa. Vol. 11. No. 3, Mar. 1956

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

MATLIEV, D.

A modification of the erythrocyte sedimentation reaction.
Suvren. med., Sofia 7 no.7:54-59 1956.

(BLOOD SEDIMENTATION
reaction, new method)

MATLIEV, D.

A new index characterizing the process of disease and based on the modified erythrocyte sedimentation reaction. Suvrem. med., Sofia 7 no.7:59-64 1956.

(BLOOD SEDIMENTATION

new index based on erythrocyte sedimentation reaction)

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RUEN - a new method for the measurement of erythrocyte sedimentation rate. Postepy hig.med.dosw. 14 no.4:441-443 '60.

1. Ze Szpitala Miejskiego nr 2 w Sofii.
(BLOOD SEDIMENTATION)

MATLIEV, D.G.

On the correct analysis of results of blood sedimentation.
Suvr. med. 13 no,7:36-37 '62.

(BLOOD SEDIMENTATION)

MATLIEV, D.

On the mechanism of blood sedimentation during vertical and inclined positions of the pipet. Suvr. med. 13 no.10:30-34 '62.

(BLOOD SEDIMENTATION)